|          |          |              |      | ex (            |          |                 |          | 15       |          |                |          |            | 1                       |          |                 |          |          |       |          |            |                 | Ke      | еха       | mıı         | nat          | ion              |          |   |
|----------|----------|--------------|------|-----------------|----------|-----------------|----------|----------|----------|----------------|----------|------------|-------------------------|----------|-----------------|----------|----------|-------|----------|------------|-----------------|---------|-----------|-------------|--------------|------------------|----------|---|
|          |          |              |      |                 |          |                 |          |          |          |                | 10       | 10/814,529 |                         |          |                 |          |          |       |          |            | CRITZ ET AL.    |         |           |             |              |                  |          |   |
|          | Ш        |              |      |                 |          |                 |          |          |          |                |          |            |                         | ami      |                 |          |          |       |          |            |                 |         | : Ur      |             |              |                  |          |   |
|          |          |              |      |                 |          |                 |          |          |          |                |          |            | ١.                      |          |                 |          |          |       |          |            |                 |         |           |             |              |                  |          |   |
|          |          |              |      |                 |          |                 |          |          |          |                |          |            | Je                      | an A     | 4. G            | eli      | n        | _     |          |            |                 | 26      | <u>81</u> |             |              |                  | <u> </u> |   |
|          | 1        |              |      |                 |          | ٦ .             | ſ        |          |          |                |          |            |                         | _        |                 |          |          |       |          | 1          |                 |         |           |             |              |                  |          |   |
|          |          | <b>√</b>     | R    | Rejected        |          |                 |          | _        | T)       | (Through numer |          |            |                         | al)      |                 | N        | on-E     | lec   | ted      |            |                 |         | Аp        | pea         | a i          |                  |          |   |
|          |          | Ĺ            |      |                 |          | 1               | ļ        | $\perp$  |          | Ca             | ance     | led        |                         | _        | N               |          |          |       |          | ]          | A               |         | · 'P      | <del></del> |              |                  |          |   |
|          |          | =            | ,    | llow            |          |                 |          | . 1      |          | D              | stric    |            |                         |          | ١. ا            |          | . A E .  |       |          |            |                 |         | <b></b>   | 4           |              |                  |          |   |
|          |          | _            | -    | MOII            | ea       |                 |          | +        |          | Ke             | stno     | tea        |                         | - [      |                 | ır       | terfe    | erer  | ıce      |            | 0               | (       | Obj       | ecte        | ed           |                  |          |   |
|          |          |              |      |                 | -        |                 |          |          |          |                |          |            |                         |          |                 |          |          |       |          |            | L1              |         |           |             |              |                  |          |   |
| Cla      | im       | _            | Date |                 |          |                 |          | 4        | CI       | Claim          |          | Da         |                         | e        |                 |          | CI       | aim   | L.,      | Date       |                 |         |           |             | ]            |                  |          |   |
| _        | <u>a</u> | S.           |      |                 |          |                 |          |          |          | _              | <u> </u> |            |                         |          |                 |          |          |       | l _      | <u> </u>   |                 |         |           | 1           |              |                  |          |   |
| Final    | Original | 9/1/05       |      |                 |          |                 |          |          |          | Final          | Original |            |                         |          |                 |          |          |       | Final    | Original   |                 |         |           |             |              | 1                |          |   |
| ۳        | ō        | ര്           |      |                 |          |                 |          | Ì        |          | <u> </u>       | ŏ        |            |                         |          |                 |          |          |       | "-       | ō          |                 |         |           |             |              |                  | İ        |   |
|          | 1        | ゼ            |      |                 | +        | $\Box$          |          | +        | $\dashv$ |                | 51       | +          | $\dagger$               | $\dashv$ | H               | $\dashv$ |          | 1     |          | 101        | t               | -       | ╁         | +           | ┢╌           | $\vdash$         | +        | 1 |
|          | 2        | $\perp$      |      |                 |          |                 |          |          |          |                | 52       |            |                         |          | П               |          | $\top$   | 1     |          | 102        | $\Box$          |         | T         | 1           |              |                  |          | 1 |
|          | 3        | Ц            |      | $\Box \Box$     |          | П               | $\Box$   | $\Box$   | _        |                | 53       | $\bot$     | П                       | $\perp$  |                 |          |          | ];;;; |          | 103        | П               |         | L         |             |              |                  |          |   |
| _        | 4        | +            |      | -               | +        | $\sqcup$        | _        | 4        | _        | <u> </u>       | 54       |            | $\downarrow \downarrow$ | $\bot$   | $\sqcup$        | _        |          | 4     |          | 104        | $\sqcup$        | $\perp$ | 1_        |             |              | Ш                |          | - |
|          | 5<br>6   | +            | _    | ├               | +        | $\vdash$        | -        | $\dashv$ | -        | -              | 55<br>56 |            | $\dashv$                | +        | $\vdash$        | _        | -        | 1     | <u> </u> | 105<br>106 | $\vdash \vdash$ | +       | +-        | ╂           | -            | $\vdash \vdash$  | +        | - |
| _        | 7        | H            |      | $\vdash$        | +-       | ╁               | $\dashv$ | -+       | $\dashv$ | -              | 57       | +          | +                       | +        | $\vdash$        | -        | -        | 1     |          | 105        | $\vdash$        | +       | +         | +           | -            | $\vdash$         | +        | 1 |
| $\dashv$ | 8        | 11           |      |                 | 1        | H               | _        | _        | $\dashv$ |                | 58       | $\dashv$   | +                       | $\top$   | H               |          |          | 1     | <u> </u> | 108        | $\vdash$        | +       | +         | +-          | $\vdash$     | $\vdash$         | +        | 1 |
|          | 9        | $\mathbf{I}$ |      |                 |          |                 |          |          |          |                | 59       |            |                         |          |                 |          |          | ]     |          | 109        |                 | 丁       |           |             |              | $\Box^{\dagger}$ | _        | 1 |
|          | 10       | $\prod$      |      |                 | 1        | Ш               | _[       |          | _        |                | 60       | $\perp$    | $\Box$                  |          | П               | $\Box$   |          | 4     |          | 110        |                 |         | $\perp$   |             |              | П                |          |   |
| $\dashv$ | 11       | -11          |      | <u> </u>        | +        | $\vdash$        | _        | _        | - :::    |                | 61       |            | 1-1                     | _        | $\sqcup$        | _        | _ _      | 4     |          | 111        | Ш               | _       | 1         |             | _            | $\sqcup$         |          | ] |
|          | 12<br>13 | H            |      | $\vdash$        | +-       | $\vdash$        | $\dashv$ | $\dashv$ |          | -              | 62<br>63 | -          | +                       | +        |                 |          |          | 4     | <b></b>  | 112        | Н               |         | +         | -           | ┡            | $\vdash$         |          | 4 |
|          | 14       | Н            | _    |                 | +        | $\vdash$        | -        | $\dashv$ | -        | -              | 64       |            | ++                      |          | $\vdash$        | $\dashv$ |          | -     |          | 113<br>114 | $\vdash$        | -       | +         | ┼           | ╢            | $\vdash$         | +-       | 1 |
| $\neg$   | 15       | 11           |      | $\vdash$        | +        | H               | 寸        | _        | -        |                | 65       | +          | 1-1                     |          | H               | $\dashv$ | +        | 1     |          | 115        | $\vdash$        | +       | +-        | +           | ├            | $\vdash$         | +        | 1 |
|          | 16       | $\Box$       |      |                 |          |                 |          |          |          |                | 66       |            |                         |          | П               |          |          | 1:::: |          | 116        |                 | _       | T         | T           | $\vdash$     | <u> </u>         |          | 1 |
|          | 17       | П            |      |                 |          |                 |          | $\Box$   |          |                | 67       |            |                         |          |                 |          |          |       |          | 117        |                 |         | 1         |             |              |                  |          | ] |
| _        | 18       | $\mathbb{H}$ |      | -               | +        | Ш               | _        | _        | _        |                | 68       | ļ.         | 1                       | _        | Ш               | _        |          | 4     |          | 118        |                 | _       |           |             |              |                  |          | ] |
| -        | 19<br>20 | +            |      |                 | +        | $\vdash$        |          | $\dashv$ | -        |                | 69<br>70 | -          | +                       |          | $\vdash$        |          |          | 4     | ļ        | 119        | $\vdash$        | -       | +         | 1           | <u> </u>     | $\vdash$         | _        | ļ |
| _        | 21       | H            |      | $\vdash$        | ╁        | $\vdash$        | 7        | 十        | -        | -              | 71       | $\dashv$   |                         | -        | Н               | $\dashv$ | +        | 1     | <u> </u> | 120<br>121 | H               | +       | ┿         | ╁           | ╁            | ╌                |          | ┨ |
|          | 22       | T            |      |                 |          | $\Box$          |          | 寸        | 7        |                | 72       | $\top$     | $\top$                  |          | Н               | $\dashv$ |          | 1     |          | 122        | Ħ               | +       | +         | +           | H            | $\vdash$         | _        | 1 |
|          | 23       | 4            |      |                 |          |                 |          |          |          |                | 73       |            |                         |          |                 |          |          |       |          | 123        |                 |         |           |             |              |                  |          | 1 |
|          | 24       | _            |      |                 | 4        | $\sqcup$        | _        | 4        | _        | <u> </u>       | 74       | _          |                         | $\perp$  | Ш               | $\Box$   | $\perp$  |       |          | 124        |                 |         | 1         |             |              |                  |          |   |
|          | 25<br>26 | $\dashv$     |      | -               | +        | ₩               | +        | $\dashv$ |          | <u> </u>       | 75<br>76 |            | $\vdash$                | -        |                 | _        |          | -     |          | 125        |                 | _       | +-        | ┿           | -            |                  | - -      | Į |
| $\dashv$ | 27       | -            |      | $\vdash$        | +        | H               | $\dashv$ | $\dashv$ | $\dashv$ |                | 77       | +          | ++                      |          |                 | $\dashv$ | -        | 1     |          | 126<br>127 | $\vdash$        | _       | +         | ╁           | -            |                  |          | ł |
|          | 28       | _†           | _    |                 | 1        |                 | _†       | _        |          |                | 78       | $\dashv$   | $\dagger \dagger$       |          | Н               | $\dashv$ | _        | 1     |          | 128        | $\vdash$        | +       | +         | 1           | $\vdash$     | $\vdash$         | +-       | 1 |
|          | 29       |              |      |                 |          |                 |          |          |          |                | 79       |            |                         |          |                 |          |          | ]     |          | 129        |                 | 丁       | I         |             |              |                  |          | 1 |
|          | 30       |              |      |                 | $\perp$  |                 | _[       | _[.      | _        |                | 80       |            | $\Box$                  |          | П               | $\Box$   |          |       |          | 130        |                 | $\bot$  | I         |             |              |                  | ]        |   |
|          | 31<br>32 | 4            |      | $\vdash \vdash$ | +        | $\vdash \vdash$ | $\dashv$ | _        | -        | <u> </u>       | 81       | +          | -                       |          | $\sqcup$        | 4        |          | 4     |          | 131        | $\sqcup$        |         | 4_        | 4           | L            |                  |          | ļ |
| $\dashv$ | 33       | $\dashv$     |      | - -             | +-       | $\vdash$        | $\dashv$ | +        | -        | $\vdash$       | 82<br>83 | +          | +                       | +        | $\vdash$        | $\dashv$ | +        | 1     |          | 132<br>133 | $\vdash$        | +       | +-        | +           | $\vdash$     | $\vdash \vdash$  | +        | - |
| $\dashv$ | 34       |              |      |                 | T        | $\vdash$        | $\dashv$ | $\dashv$ | -        |                | 84       |            | H                       | +        | +               | $\dashv$ | +        | 1     |          | 134        | $\vdash$        | +       | +-        | $\vdash$    | $\vdash$     | $\vdash \vdash$  | +-       | 1 |
|          | 35       |              |      |                 |          |                 |          |          |          |                | 85       |            | 口                       |          |                 | ╗        |          | 1     |          | 135        |                 | $\top$  | ╁         | T           |              | $\vdash$         | $\top$   | 1 |
| <b>ゴ</b> | 36       | J            |      | $\Box$          |          | $\Box$          | $\Box$   | $\Box$   | _        |                | 86       |            | П                       | $\perp$  | П               |          |          | ]     |          | 136        |                 |         |           |             |              |                  | 工        | ] |
| $\dashv$ | 37       | 4            |      | <del>   </del>  | ╁        | $\vdash$        | _        | 4        | 4        | <u> </u>       | 87       |            | $\perp$                 | 4        | igsqcut         | _[       |          |       |          | 137        | Ц               | $\perp$ |           | $\Box$      |              |                  | $\Box$   |   |
| $\dashv$ | 38<br>39 | $\dashv$     | _    | $\vdash \vdash$ | ╁        | $\dashv$        | $\dashv$ | $\dashv$ | -        |                | 88<br>89 | +          | ₩                       | +        | $\vdash$        | $\dashv$ | +        |       |          | 138        | $\vdash$        | +       | +-        | $\vdash$    | _            | $\vdash \vdash$  | +        |   |
| - +      | 40       | $\dashv$     |      | -               | +        | $\vdash \vdash$ | $\dashv$ | +        |          | <u> </u>       | 90       | +          | +                       |          | $\vdash$        | -        | $\dashv$ |       |          | 139<br>140 | $\vdash \vdash$ | +       | +         | -           | <del> </del> | $\vdash$         | +        | - |
|          | 41       |              |      |                 | T        | $\Box$          | 寸        | $\dashv$ | 1        | $\vdash$       | 91       | $\dashv$   |                         | _        | $\vdash$        | $\dashv$ |          |       |          | 141        | $\vdash$        | +       | +         | $\vdash$    | $\vdash$     | $\vdash$         | +        | 1 |
|          | 42       |              |      |                 |          |                 |          | 丁        |          |                | 92       |            | $\Box^{\dagger}$        |          |                 | _        |          | ]     |          | 142        |                 | _†=     | 丁         |             |              |                  | +        | 1 |
| $\bot$   | 43       | $\Box$       |      |                 | 厂        | П               | $\bot$   | Ī        | _        |                | 93       |            | П                       |          | П               | $\Box$   |          | ]!!!! |          | 143        |                 |         |           |             |              |                  |          | ] |
| _        | 44       | _            |      |                 | -        | $\sqcup$        | 4        | $\dashv$ | -        | <u> </u>       | 94       |            | $\prod$                 |          | $\Box$          | $\prod$  | $\perp$  |       |          | 144        |                 |         | $\perp$   |             |              |                  | $\top$   |   |
| $\dashv$ | 45<br>46 | $\dashv$     | _    | $\vdash \vdash$ | +-       | $\vdash$        | $\dashv$ | +        | -        |                | 95<br>96 |            | $\vdash \vdash$         | +        | H               | +        |          |       |          | 145        | $\vdash \vdash$ | +       | +         | $\vdash$    | _            | $\vdash$         |          |   |
| $\dashv$ | 47       | $\dashv$     |      | $\vdash$        | $\vdash$ | $\vdash$        | +        | +        | -        | H              | 96       | +          | $\vdash$                |          | $\vdash \vdash$ | $\dashv$ | +        |       |          | 146<br>147 | $\vdash$        | +       | +         | +           | $\vdash$     | +                |          | 1 |
| _+       | 48       |              |      |                 |          | $\vdash$        | $\dashv$ | $\top$   | $\dashv$ | $\Box$         | 98       | $\dashv$   | +                       | -        | H               | $\dashv$ | +        | l III |          | 148        | $\vdash$        | +       | +         | +           | Н            | +                | ╫        |   |
|          | 49       | ╛            |      |                 |          |                 | ╛        |          |          |                | 99       |            |                         | 丁        |                 |          | _1_      |       |          | 149        | $\vdash$        | $\top$  | $\top$    | П           |              | $\vdash$         | $\vdash$ |   |
| T        | 50       | Т            | 1    |                 |          | Π               | Т        |          | 7        |                | 100      | T          | П                       |          | П               | T        |          | 1     |          | 150        | $\Box$          | $\neg$  | 1         | 1 1         |              |                  | $\top$   | İ |

Application/Control No.

Applicant(s)/Patent under